

## ABSTRACT

A method and system are disclosed for creating a combination attribute volume or combo volume by combining one or more attribute volumes into a single volume. For instance, seismic data volumes may be used for creating a combination seismic attribute volume from multiple seismic attribute volumes. This is accomplished by replacing certain of the standard 8-bit data values in a seismic data volume with marker values that denote certain values of other, spatially coincident, seismic attribute data. The resulting combo volume may then be displayed and a seed pick positioned on an event of interest such as a geological body. An auto-picker function or program will then find all the connecting points which will quickly further define the event. The event may then be displayed and interpreted.